

5. Contents of amendment

Amendments are made as shown on the attached sheets.

(1) In claim 1, the clause "judging means for judging whether or not information received from one communication bus is information that should be transmitted to the other communication bus" is amended as follows: "and in which information to be communicated is made up of a header field containing information such as an address necessary for communication and a message field containing information to be used at receiving side after the communication based on said header field is completed, said gateway device comprising: judging means for judging, based on contents of said message field, whether or not the information received from one communication bus is information that should be transmitted to the other communication bus; and".

(2) Claim 2 stating "A gateway device as claimed in claim 1, wherein said judging means judges, based on contents of a command, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus" is amended as follows: "A gateway device which interconnects two communication buses implemented with different communication methods, and in which information to be communicated is made up of a header field containing information such as an address necessary for communication and a message field containing a command and a parameter accompanying said command, said gateway device comprising: judging means for judging, based on said command, whether or not the information received from one communication bus is information that should be transmitted to the other communication bus; and filtering means for transmitting said received information to said other communication bus when said received information is judged by said judging means to be the information that should be transmitted".

(3) Claim 3 stating "A gateway device as claimed in

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claim 1, further comprising: storage means for storing
the information that is judged by said judging means to
be the information that should be transmitted; and second
filtering means for comparing the contents of the
5 information stored in said storage means with contents of
information of the same kind as said stored information
when such information is newly received, and for
transmitting said received information to said other
communication bus and updating said stored information at
10 the same time only when there is a change in the
contents" is amended as follows: "A gateway device which
interconnects two communication buses implemented with
different communication methods, comprising: judging
means for judging whether or not information received
15 from one communication bus is information that should be
transmitted to the other communication bus; storage means
for storing the information that is judged by said
judging means to be the information that should be
transmitted; and filtering means for comparing the
20 information stored in said storage means with newly
received information which is of the same kind as said
stored information and is judged by said judging means to
be the information that should be transmitted and, when
their contents differ, transmitting said received
25 information to said other communication bus while, at the
same time, storing said received information in said
storage means".

(4) In claim 6, the clause "comprising the steps
of: (a) judging whether or not information received from
30 one communication bus is information that should be
transmitted to the other communication bus; and (b)
performing filtering to transmit said received
information to said other communication bus only when, in
said step (a), said received information is judged to be
35 the information that should be transmitted" is amended as
follows: "and in which information to be communicated is
made up of a header field containing information such as

an address necessary for communication and a message field containing information to be used at receiving side after the communication based on said header field is completed, said method of gatewaying comprising the steps of: (a) judging, based on contents of the message field of said communication data, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus; and (b) performing filtering to transmit said received information to said other communication bus when in said step (a) said received information is judged to be the information that should be transmitted".

(5) Claim 7 stating "A method of gatewaying as claimed in claim 6, wherein said step (a) judges, based on contents of a command, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus" is amended as follows: "A method of gatewaying in a gateway device which interconnects two communication buses implemented with different communication methods, and in which information to be communicated is made up of a header field containing information such as an address necessary for communication and a message field containing a command and a parameter accompanying said command, said method of gatewaying comprising the steps of: (a) judging, based on the command contained in the message field of said communication data, whether or not the information received from one communication bus is the information that should be transmitted to the other communication bus; and (b) performing filtering to transmit said received information to said other communication bus when in said step (a) said received information is judged to be the information that should be transmitted".

(6) Claim 8 stating "A method of gatewaying as claimed in claim 6, further comprising the steps of: (c)

storing the information that is judged in said step (a) to be the information that should be transmitted; and (d) performing second filtering whereby contents of the information stored in said step (c) is compared with contents of information of the same kind as said stored information when such information is newly received and, only when there is a change in the contents, said received information is transmitted to said other communication bus while, at the same time, updating said stored information" is amended as follows: "A method of gatewaying in a gateway device which interconnects two communication buses implemented with different communication methods, comprising the steps of: (a) judging whether or not information received from one communication bus is information that should be transmitted to the other communication bus; (b) storing the information that is judged in said step (a) to be the information that should be transmitted; and (c) performing filtering whereby the information stored in said step (b) is compared with newly received information which is of the same kind as said stored information and is judged in said step (a) to be the information that should be transmitted and, when their contents differ, said received information is transmitted to said other communication bus while, at the same time, storing said received information in said step (b).

(7) In claim 9, the clause "(e) transmitting the information stored in said step (a) to said communication bus in accordance with a request made from said communication bus" is amended as "(d) transmitting the information stored in said step (b) to said communication bus in accordance with a request made from said communication bus".

6. List of attached sheets

Claims on pages 10 and 10/1 and new pages 11 and 11/1. One sheet per page.